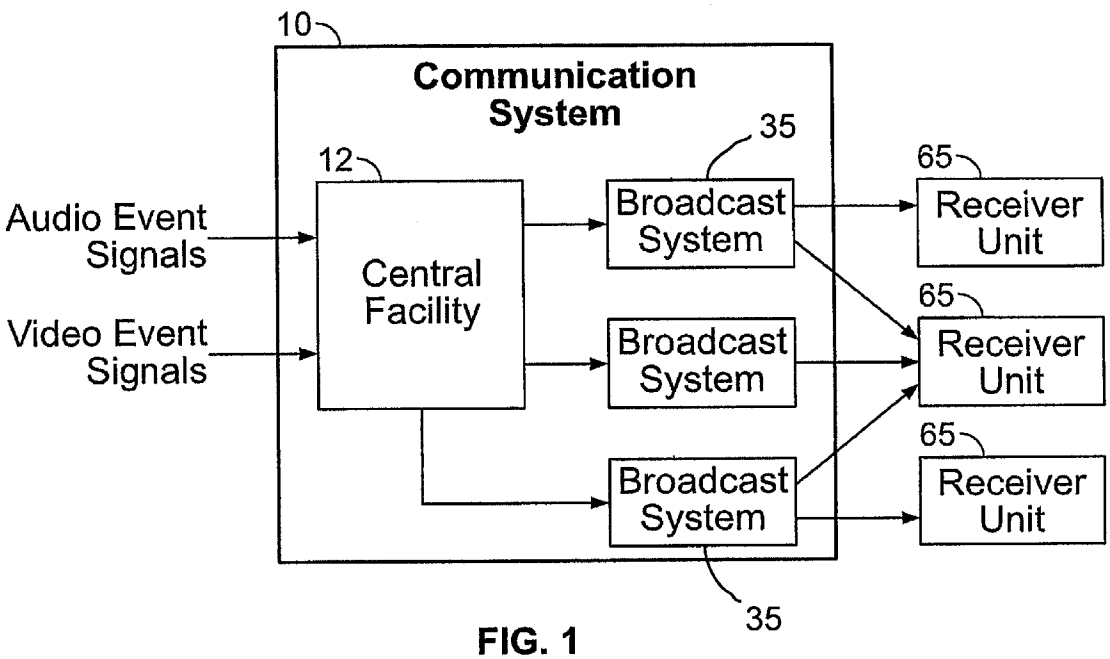
10
Communication System
12
35
65
Audio Event Signals
Video Event Signals
Central Facility
Broadcast System
Broadcast System
Broadcast System
Receiver Unit
65
Receiver Unit
65
Receiver Unit
35

FIG. 1

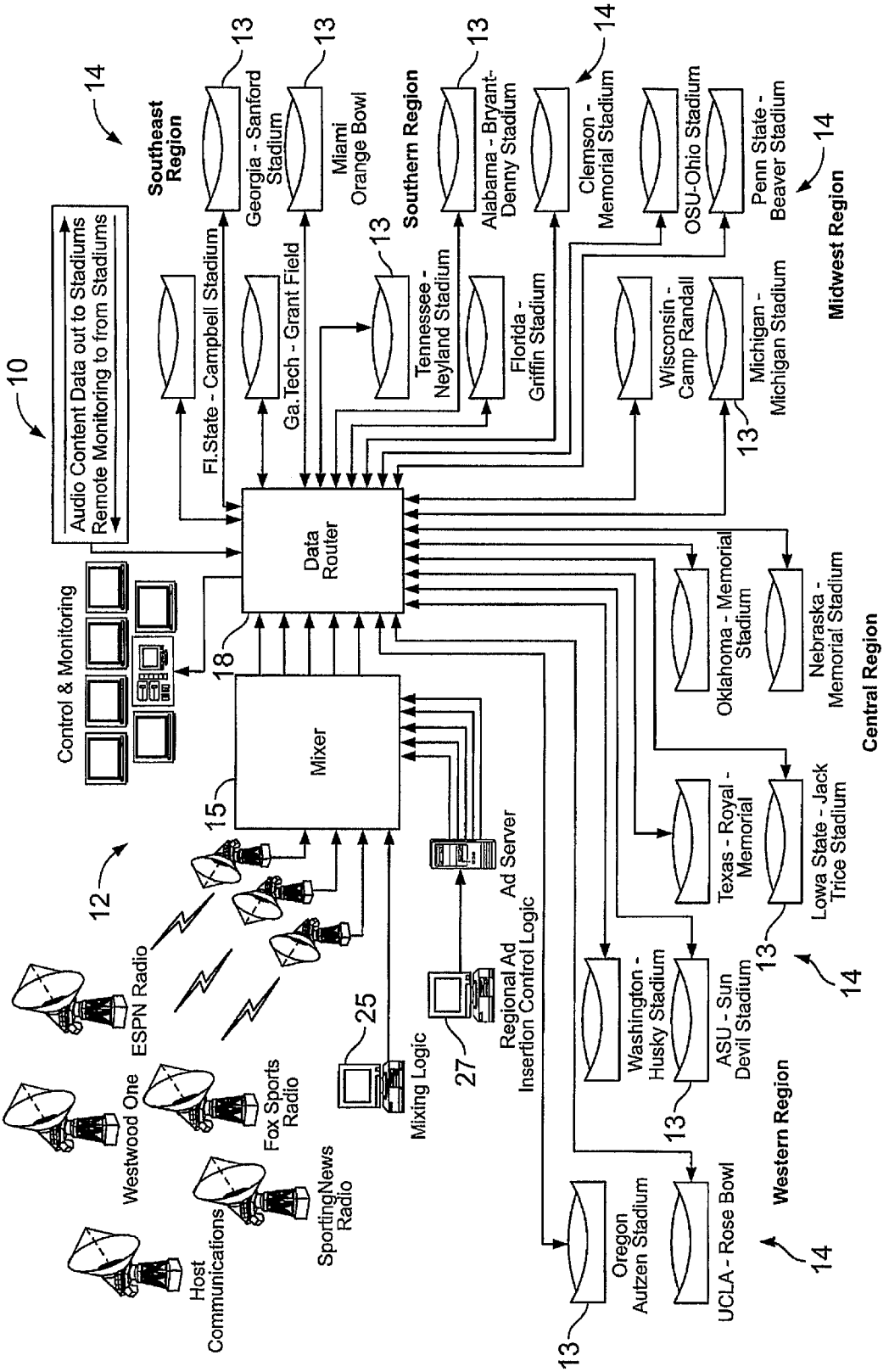
10
Audio Content Data out to Stadiums
Remote Monitoring to from Stadiums
14
Southeast Region
13
Georgia - Sanford Stadium
13
Miami Orange Bowl
13
Southern Region
Alabama - Bryant-Denny Stadium
14
Clemson - Memorial Stadium
OSU-Ohio Stadium
Penn State - Beaver Stadium
14
Midwest Region
Fl.State - Campbell Stadium
Ga.Tech - Grant Field
13
Tennessee - Neyland Stadium
Florida - Griffin Stadium
Wisconsin - Camp Randall
Michigan - Michigan Stadium
13
Data Router
Control & Monitoring
18
Mixer
15
12
ESPN Radio
Westwood One
Fox Sports Radio
SportingNews Radio
Host Communications
25
Mixing Logic
27
Regional Ad Insertion Control Logic
Ad Server
Oklahoma - Memorial Stadium
Nebraska - Memorial Stadium
Central Region
Texas - Royal - Memorial
Lowa State - Jack Trice Stadium
13
14
Washington - Husky Stadium
ASU - Sun Devil Stadium
13
Oregon Autzen Stadium
UCLA - Rose Bowl
13
Western Region
14

FIG. 2

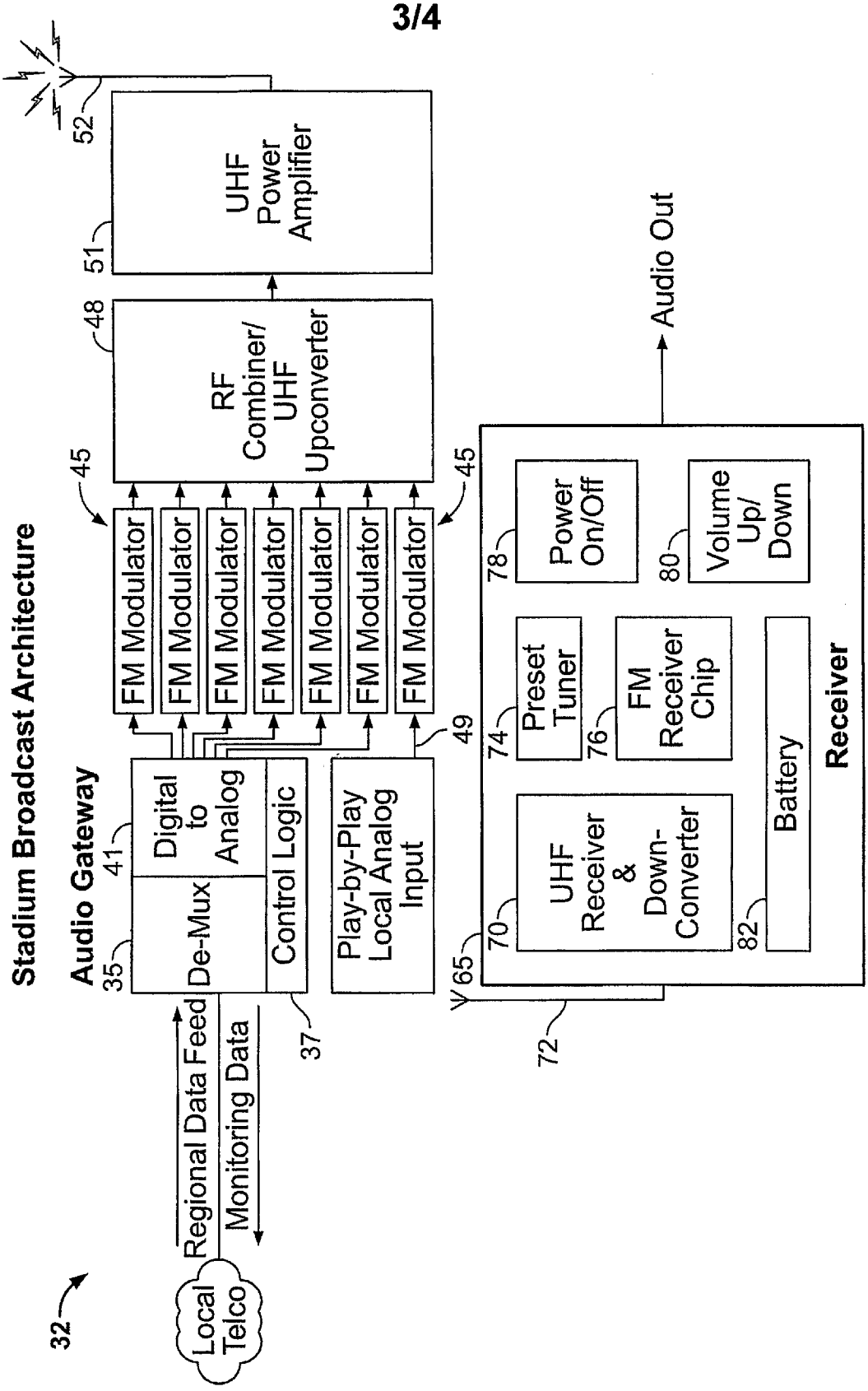
Stadium Broadcast Architecture
32
Local Telco
Regional Data Feed
Monitoring Data
Audio Gateway
35
De-Mux
41
Digital to Analog
Control Logic
37
Play-by-Play Local Analog Input
49
45
FM Modulator
FM Modulator
FM Modulator
FM Modulator
FM Modulator
FM Modulator
FM Modulator
45
48
RF Combiner/ UHF Upconverter
51
UHF Power Amplifier
52
Audio Out
65
70
UHF Receiver & Down-Converter
74
Preset Tuner
76
FM Receiver Chip
78
Power On/Off
80
Volume Up/ Down
82
Battery
Receiver
72

FIG. 3

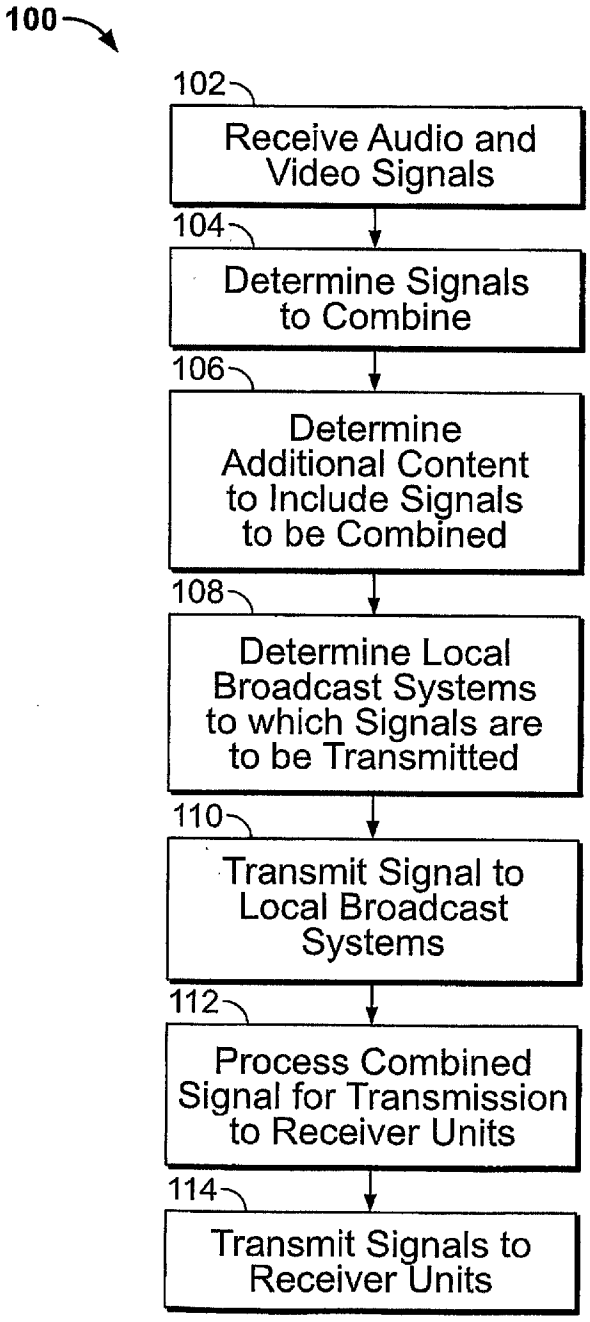
100
102
Receive Audio and Video Signals
104
Determine Signals to Combine
106
Determine Additional Content to Include Signals to be Combined
108
Determine Local Broadcast Systems to which Signals are to be Transmitted
110
Transmit Signal to Local Broadcast Systems
112
Process Combined Signal for Transmission to Receiver Units
114
Transmit Signals to Receiver Units

FIG. 4